

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)Docket No.
04189-0084-03000Serial No.
08/485,438

Applicant

Stephen EISENBERG et al.

Filing Date
June 7, 1995Group
~~1806~~ 1804

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
Duplicate of Paper No. 7 Citations won	4,394,443	7/19/83	Weissman et al.			
	4,511,503	4/16/85	Olson et al.			
	4,530,901	7/23/85	Weissman			
	4,546,082	10/8/85	Kurjan et al.			
	4,626,510	12/2/86	Grandi			
	4,652,639	3/24/87	Stabinsky			
	4,672,032	6/9/87	Slavkin et al.			
	4,720,454	1/19/88	White et al.			
	5,151,438	9/29/92	Sham et al.			
	4,595,674	6/17/86	Tschesche et al.			
	4,546,082	10/8/85	Kurjan et al.			
	4,700,135	11/29/88	Davis et al.			
	4,760,130	7/26/88	Thompson et al.			
	4,711,848	12/8/87	Inoley et al.			
	4,845,076	7/4/89	Heinzel et al.			
	4,923,807	5/8/90	Webb et al.			
	5,102,995	4/7/92	Tollefsen et al.			
	5,157,019	10/30/92	Glover et al.			
	5,196,404	3/23/93	Maraganore et al.			
	5,252,725	10/12/93	Rubin et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	
						Yes	No
	114 506	1/8/94	Europe				
	84 03 711	9/27/84	WIPO				

Examiner

William W. Moore

Date Considered

25 April 1997

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant Stephen EISENBERG et al.					
		Filing Date June 7, 1995	Group 1006 1814				
		Attorney Docket No. 1006 0084-03000					
		Serial No. 08/485,438					
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Sub Class	Translation Yes No	
↑	86 03 497	6/19/86	WIPO				
	86 03 519	6/19/86	WIPO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Duplicate of Paper No. 7 W.C.M.	Amann et al. (1983), "Vectors bearing a hybrid trp-lac promoter useful for regulated expression of cloned genes in <i>Escherichia coli</i> ," <i>Gene</i> , 25:167-178.						
	Anderson et al. (1983), "Isolation of a genomic clone for bovine pancreatic trypsin inhibitor by using a unique-sequence synthetic DNA probe," <i>Proc. Natl. Acad. Sci. USA</i> , 80:6838-6842.						
	Botstein et al. (1982), "Principles and Practice of Recombinant DNA Research with Yeast," <i>The Molecular Biology of the Yeast Saccharomyces</i> , 607-636.						
	Brake et al. (1984), "α-Factor-directed synthesis and secretion of mature foreign proteins in <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 81:4642-4646.						
	Fritz (1980), "Human Mucus Proteinase Inhibitor (Human MPI)," <i>Biol. Chem. Hoppe-Seyler</i> , 369:79-82.						
	Fritz et al. (1978), "Naturally Occurring Low Molecular Weight Inhibitors of Neutral Proteinases from PMN-Granulocytes and of Kallikreins," <i>Agents and Actions</i> , 8/1-2:57-64.						
	Fritz (1980), "Proteinase inhibitors in severe inflammatory processes (septic shock and experimental endotoxaemia): biochemical, pathophysiological and therapeutic aspects," <i>Protein Degradation in Health and Disease, Ciba Foundation Symposium</i> , 75:351-378.						
	Ghrayeb et al. (1984), "Secretion cloning vectors in <i>Escherichia coli</i> ," <i>The EMBO J.</i> , 3:2437-2442.						
	Helfman et al. (1983), "Identification of clones that encode chicken tropomyosin by direct immunological screening of a cDNA expression library," <i>Proceedings, National Academy of Sciences USA</i> , 80:31-35.						
	Hewick et al. (1981), "A Gas-Liquid solid Phase Peptide and Protein sequenator," <i>J. of Biological Chemistry</i> , 256(15):7990-7997.						
↓	Kueppers (1971), "Proteinase Inhibitor in Human Tears," <i>Biochem. Biophys. Acta</i> , 229:845-849.						
Examiner <i>William W. Moore</i>		Date Considered <i>25 April 1997</i>					
*EXAMINER:		Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant Stephen EISENBERG et al.
		Serial No. 08/485,438
		Applicant Stephen EISENBERG et al.
Filing Date June 7, 1995		Group 1006 1814
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Duplicate of Paper No. 7, Citation 25 drawn	Kurachi et al. (1981), "Cloning and sequence of cDNA coding for α_1-antitrypsin," Proc. Nat'l. Acad. Sci. USA, 78:6826-6830.	
	Landau et al. (1984), "Cloning of terminal transferase cDNA by antibody screening," Proceedings, National Academy of Sciences USA, 81:5836-5840.	
	Leicht et al. (1982), "Sequence homology and structural comparison between the chromosomal human α_1-antitrypsin and chicken ovalbumin genes," Nature, 297:655-659.	
	Leytus et al. (1984), "Characterization of a cDNA coding for human factor X," Proceedings, National Academy of Sciences USA, 81:3699-3702.	
	Lovett et al. (1979), "Bacillus subtilis as a Host for Molecular Cloning," Methods in Enzymology, 68:342-357.	
	Maniatis (1982), Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory Press, pp. 231.	
	Maniatis (1982), Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory Press, pp. 190-193.	
	Miller et al. (1981), "Synthesis of Biologically Active Proteins by Recombinant DNA Technology," Drug Development Research, 1:435-454.	
	Ohlsson et al. (1977), "Isolation and Partial Characterization of a Low Molecular Weight Acid Stable Protease Inhibitor from Human Bronchial Secretion," Hoppe-Seyler's Z. Physiol. Chem., 358:583-589.	
	Ohlsson et al. (1983), "Quantification of Granulocyte Elastase Inhibitors in Human Mixed Saliva and in Pure Parotid Secretion," Hoppe-Seyler's Z. Physiol. Chem., 364:1323-1328.	
Ohlsson et al. (1984), "Localization of antileukoprotease in the parotid and the submandibular salivary glands," Biological Abstracts, 78:ref. no. 90008.		
Roberts et al. (1983), "Recombinant DNA Technology," Molecular Biology of the Cell, Garland Publishing Inc., pp. 185-194.		
Rogers et al. (1983), "The Isolation of a Clone for Human α_1-Antitrypsin and the Detection of a α_1-Antitrypsin in mRNA From Liver and Leukocytes," Biochem and Biophysical Res. Commun., 116(2):375-382.		
Examiner <i>William W. Moore</i>	Date Considered <i>25 Apr 1997</i>	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Doc. No. 04189.0084-03000	Serial No. 08/485,438
	Applicant Stephen EISENBERG et al.	
	Filing Date June 7, 1995	Group 1806 1814
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Duplicate of Paper No. 7 citations were	<input checked="" type="checkbox"/>	Schiessler et al. (1976), "Inhibitors of Acrosin and Granulocyte Proteinase from Human Genital Tract Secretions," Hoppe-Seyler's Z. Physiol. Chem. Bd., 357:1251-1260.
	<input checked="" type="checkbox"/>	Schiessler et al. (1978), "Acid-stable inhibitors of granulocyte neutral proteases in human mucous secretions: biochemistry and possible biological function," Chemical Abstracts, 89:abtr. no. 192866u.
	<input checked="" type="checkbox"/>	Schiessler et al. (1979), "Inhibitors of granulocyte protease (antileukoprotease) in human genital tract secretions," Chemical Abstracts, 90: abstract no. 117084e.
	<input checked="" type="checkbox"/>	Seemuller et al. (1986), "The acid-stable proteinase inhibitor of human mucous secretions (HUSI-I, antileukoprotease)," FEBS Lett., 199:43-48.
	<input checked="" type="checkbox"/>	Stettler et al. (1986), "Isolation and sequence of a human gene encoding a potent inhibitor of leukocyte proteases," Nucleic Acids Research, 14(20):7003-7006.
	<input checked="" type="checkbox"/>	Travis et al. (1983), "Human Plasma Proteinase Inhibitors," Ann. Rev. Biochem., 52:655-709.
	<input checked="" type="checkbox"/>	Valenzuela et al. (1982), "Synthesis and assembly of hepatitis B virus surface antigen particles in yeast," Nature, 298:347-350.
	<input checked="" type="checkbox"/>	Young et al. (1983), "Efficient isolation of genes by using antibody probes," Proc. Natl. Acad. Sci. USA, 80:1194-1198.
	<input checked="" type="checkbox"/>	Wallner et al. (1974), "Characterization of an Acid-Stable Proteinase Inhibitor in Human Cervical Mucus," Hoppe-Seyler's Z. Physiol. Chem. Bd., 355:709-715.
	<input checked="" type="checkbox"/>	Stettler et al. (1989), "Secretion of Active, Full- and Half-[] Human Secretory Leukocyte Protease Inhibitor by Saccharomyces Cerevisiae," Bio/Technology, 7(1):55-60.
	<input checked="" type="checkbox"/>	Smith et al. (1985), "Human bronchial leukocyte proteinase inhibitor," Biochem. Journal, 225:463-472.
	<input checked="" type="checkbox"/>	Lussey et al. (1990), "Recombinant human secretory leukocyte-protease inhibitor: In vitro properties, and amelioration of human neutrophil elastase-induced emphysema and secretory cell metaplasia in the hamster," J. Lab. Clin. Med., 115/2:224-232.
<input checked="" type="checkbox"/>	Birrer et al. (1992), "Intravenous recombinant secretory leukoprotease inhibitor augments antineutrophil elastase defense," Journal of Applied Physiology, 73/1:317-323.	
<input checked="" type="checkbox"/>	Klasen, et al. (1985), "The N-Terminal Sequence of Antileukoprotease Isolated from Bronchial Secretion," Chemical and Biophysical Research Communications, 128/1:285-289.	
<input checked="" type="checkbox"/>	Movva, et al. (1980), "Gene Structure of the OmpA Protein, a Major Surface Protein of Escherichia coli Required for Cell-Cell Interaction," J. Mol. Biol., 143:317-328.	
Examiner	<i>William W. Moore</i>	Date Considered 25 April 1997
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 04189.0084-03000	Serial No. 08/485,438
	Applicant Stephen EISENBERG et al.	
	Filing Date June 7, 1995	Group 1806 1814
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Duplicate of Paper No. 7 citations WWM	<input checked="" type="checkbox"/>	Whitson, et al. (1985), "Thermodynamic Analysis of the Lactose Repressor--Operator DNA Interaction," Biochemistry, 25:3852-3858.
	<input checked="" type="checkbox"/>	Whitson, et al. (1986), "Dissociation of the Lactose Repressor--Operator DNA Complex: Effects of Size and Sequence Context of Operator-Containing DNA," Biochemistry, 25:3845-3852.
	<input checked="" type="checkbox"/>	Chang, et al. (1986), "Saccharomyces cerevisiae Secretes and Correctly Processes Human Interferon Hybrid Proteins Containing Yeast Invertase Signal Peptides," Molecular and Cellular Biology, 6:1812-1819.
	<input checked="" type="checkbox"/>	Julius et al. (1984), "Isolation of the Putative Structural Gene for the Lysine-Arginine-Cleaving Endopeptidase Required for Processing of Yeast Prepro-α-Factor," Cell, 37:1075-1089.
	<input checked="" type="checkbox"/>	Broach, James R. (1983), "Construction of High Copy Yeast Vectors Using 2μm Circle Sequences," Methods In Enzymology, 101:307-325.
	<input checked="" type="checkbox"/>	Emm et al. (1983), "An MFα1-SUC2 (α-factor-invertase) gene fusion for study of protein localization and gene expression in yeast," Proc Natl. Acad. Sci. USA, 80:7080-7084.
	<input checked="" type="checkbox"/>	Derynck et al. (1984), "Human Transforming Growth Factor-α: Precursor Structure and Expression in E. coli," Cell, 38:287-297.
	<input checked="" type="checkbox"/>	Van Arsdell et al. (1987), "The Yeast Repeated Element Sigma Contains a Hormone-Inducible Promoter," Molecular and Cellular Biology, 7/2:749-759.
	<input checked="" type="checkbox"/>	Kurjan et al. (1982), "Structure of a Yeast Pheromone Gene (MFα): A Putative α-Factor Precursor Contains Four Tandem Copies of Mature α-Factor," Cell, 30:933-943.
	<input checked="" type="checkbox"/>	Swift et al. (1982), "Rat pancreatic kallikrein mRNA: Nucleotide sequence and amino acid sequence of the encoded preproenzyme," Proc Natl. Acad. Sci. USA, 79:7263-7267.
<input checked="" type="checkbox"/>	Chemical Abstracts, Vol. 100, (1984), No. 46033z.	
<input checked="" type="checkbox"/>	Chemical Abstracts, Vol. 97, (1982), No. 51668j.	
<input checked="" type="checkbox"/>	Chemical Abstracts, Vol. 95, (1981), No. 2484w.	
<input checked="" type="checkbox"/>	Chemical Abstracts, Vol. 95, (1981), No. 169751.	
<input checked="" type="checkbox"/>	Chemical Abstracts, Vol. 84, (1975), No. 28236.	
Examiner	<i>William W. Moore</i>	Date Considered 25 April 1997
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 04189.0084-03000	Serial No. 08/485,438
	Applicant Stephen EISENBERG et al.	
	Filing Date June 7, 1995	Group 1806 1814
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>Replectived Paper No. 7 citations human</i>	<input checked="" type="checkbox"/>	Thompson et al. (1986), "Isolation, properties, and complete amino acid sequence of human secretory leukocyte protease inhibitor, a potent inhibitor of leukocyte elastase," Proc. Natl. Acad. Sci. USA, 83:6692-6696.
	<input checked="" type="checkbox"/>	Kramps et al. (1990), "Proteinase inhibitor activities of antileukoprotease are represented by its second COOH-terminal domain," Biochimica et Biophysica Acta, 1038/2:141-276.
	<input checked="" type="checkbox"/>	Böhm et al. (1991), "Purification of a serine-proteinase inhibitor from human articular cartilage," Biochem. J., 274:269-273.
	<input checked="" type="checkbox"/>	Hirsch, M. S. (1988), "Antiviral Drug Development for the Treatment of Human Immunodeficiency Virus Infections," The American Journal of Medicine, 85:182-185.
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
Examiner	<i>William W. Rowe</i>	Date Considered <i>28 April 1997</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Atty. Docket No. 04189-0084-03000		Serial No. 08/485,438	
		Applicant Stephen EISENBERG et al.			
		Filing Date June 7, 1995		Group 1806 -1814	
U.S. PATENT DOCUMENTS					
*Examiner Initial	Document Number	Date	Name	Class	Filing Date If Appropriate
WWM	5,109,113	4/28/92	Garas et al.		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
WWM	Ohlsson et al. (1986), "Structure, Genomic Organization, and Tissue Distribution of Human Secretory Leukocyte-Protease Inhibitor (SLPI): A Potent Inhibitor of Neutrophil Elastase," Pulmonary Emphysema and Proteolysis, Academic Press, Inc., pp. 307-324.				
WWM	Darnell et al. (1986), "Molecular Cell Biology," Scientific American Books, Inc., pp. 54-55 and 158-260.				
WWM	Creighton, T. E. (1983), "Proteins: Structures and Molecular Principles," Freeman & Company, NY, pp. 93-94.				
Examiner	William W. Moore			Date Considered 23 April 1997	
*EXAMINER:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			Atty. Docket No. 04189-0084-03000		Serial No. 08/485,438	
			Applicant Stephen EISENBERG et al.			
			Filing Date June 7, 1995		Group 1806 1814	
U.S. PATENT DOCUMENTS						
*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
↑ Duplicate of Paper No. 7 citation return	5,102,995	4/7/92	Tellefsen et al.			
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub Class	Translation Yes No
Duplicate of Paper No. 7 citation return	114 506	1/8/84	Europe			
	86 03 497	6/19/86	WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
↓	Ohlsson et al. (1984), "Localization of antileukoprotease in the parotid and the submandibular salivary glands," <u>Biological Abstracts</u>, 78:ref. no. 90008 and Acta Otolaryngol (Stockh) (1984), 98:147-151.					
	Roberts et al. (1983), "Recombinant DNA Technology," <u>Molecular Biology of the Cell</u>, Garland Publishing Inc., pp. 185-196.					
	Schiessler et al. (1979), "Inhibitors of granulocyte protease (antileukoprotease) in human genital tract secretions," <u>Chemical Abstracts</u>, 90: abstract no. 117084e and Human Fertilization, Georg Thieme Publishers, Stuttgart (1978), pp. 101-106.					
	Whitson, et al. (1986), "Thermodynamic Analysis of the Lactose Repressor--Operator DNA Interaction," <u>Biochemistry</u>, 25:3852-3858.					
Examiner <i>William W. Moore</i>				Date Considered <i>April 25, 1997</i>		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> MAIL ROOM 46 JAN 10 1997 PAID TRADEMARK OFF. </div> <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>			Atty. Docket No. 04189-0084-03000		Serial No. 08/485,438	
			Applicant EISENBERG et al.			
			Filing Date March 9, 1994		Group 1814	
			U.S. PATENT DOCUMENTS			
*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
WWM	4,952,512	8/28/90	Loskutoff et al.	435	320.1	
WWM	5,215,915	6/1/93	Tiberi et al.	435	252.3	
WWM	5,376,633	12/27/94	Lezdey et al.	514	8	
WWM	5,532,215	7/2/96	Lezdey et al.	514	8	
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub Class	Translation Yes
WWM	0 346 500B1	7/27/94	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
WWM	Ohlsson et al., <i>Chemical Abstracts</i> , (1983), No. 99:173443.					
WWM	Rice et al., "Regulation of Proteolysis at the Neutrophil-Substrate Interface by Secretory Leukoprotease Inhibitor," <i>Science</i> , 249:178-181 (1990).					
WWM	Schuessler et al., <i>Neutral Proteases of Human Polymorphonuclear Leukocytes</i> , Urban & Schwarzenberg, Baltimore/Munich, pp. 195-207 (1978).					
WWM	Schuessler et al., "The Acid-stable Proteinase Inhibitor (Antileukoprotease) of Human Cervical Mucus," <i>The Uterine Cervix in Reproduction</i> , Georg Thieme Publishers Stuttgart, pp. 84-89 (1977).					
WWM	Eisenberg, S.P., et al., "Location of the Protease-inhibitory Region of Secretory Leukocyte Protease Inhibitor," <i>The Journal of Biological Chemistry</i> , 265:7976-7981 (1990).					
WWM	Wengenmayer, "Synthesis of Peptide Hormones Using Recombinant DNA Techniques," <i>Angew. Chem. Int. Ed. Engl.</i> , 22:842-858 (1983).					
Examiner <i>William W. Maou</i>				Date Considered <i>28 April 1997</i>		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						